Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

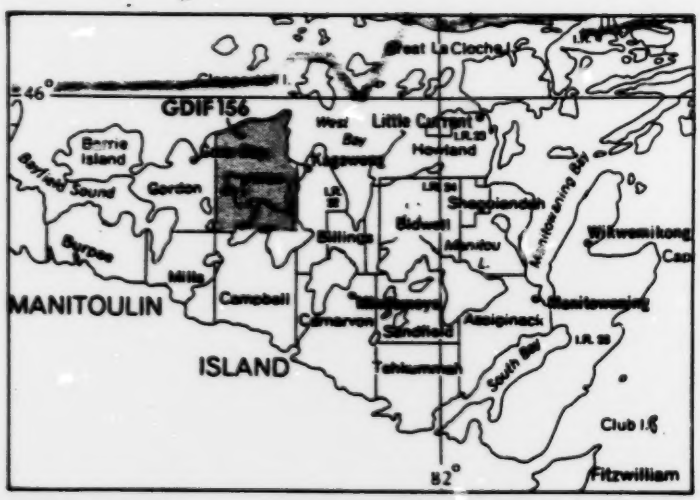
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 156

ALLAN TOWNSHIP

DISTRICT OF MANITOULIN

Compiled by the Staff of
the Resident Geologist's Office,
Sudbury



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 G/16

Mining Claim Map Number Nil

This project was funded by the Ontario Ministry of Northern Affairs through the Northern Ontario Geological Survey (NOGS) Program.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1984: Allan Township, District of Manitoulin; Ontario Geological Survey, Geological Data Inventory Folio 156, compiled by the staff of the Resident Geologist's Office, Sudbury, 16 pages and 2 maps.

Original Compilation by: Adlington, Richard, Mar.15, 1983

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map - 1 map
Exploration Data Map - 1 map
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	R.A.
2	Assessment Files Research Office, Toronto	N.A.	R.A.
3	ODM General Index; 7 volumes	Yes	R.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	R.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	R.A.
6	ODM Industrial Mineral Reports	Yes	R.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	Yes	R.A.
8	Bibliography of Precambrisn Theses - Ginn (ODM MP 2)	No	R.A.
9	Newspaper Clippings File	No	R.A.
10	GSC Index to Publications	Yes	R.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	R.A.
12	OGS Index Maps	Yes	R.A.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	No	R.A.
14	Author - Subject Articles File	Yes	R.A.
15	Miscellaneous Papers: ODM & OGS	Yes	R.A.
16	ODM Geological Circulars: OGS Study Series Reports	No	R.A.
17	ODM Preliminary Reports: ODM Bulletins	No	R.A.
18	ODM – OGS Open File Reports	Yes	R.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	No	R.A.
20	OGS Aggregate Resources Inventory Papers	No	R.A.
21	OGS Mineral Potential Maps	Yes	R.A.
22	Theses in File, Sudbury	Yes	R.A.
23	Aerial Photographs on File, Sudbury	No	R.A.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . .Cadmium
- △ calc. . . . . .Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- △ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- △ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (fluorspar)
- △ fu. . . . . .Fuchzite
- △ gn. . . . . Galena
- △ gt. . . . . Garnet
- △ goe . . . . . .Goethite
- △ Au . . . . . Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- ▲ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- △ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- △ po . . . . . .Pyrrhotite
- △ q . . . . . .Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- ▲ si . . . . . Silica
- △ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod. . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd . . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- ▲ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . .Zinc
- △ zr. . . . . Zircon
- ▲ Ca. . . . . .Calcium
- ▲ Mg. . . . . .Magnesium
- ▲ Al. . . . . .Aluminum
- ▲ Na. . . . . .Sodium
- ▲ K. . . . . .Potassium
- ▲ Ti. . . . . .Titanium
- ▲ P. . . . . .Phosphorus
- ▲ Mn. . . . . .Manganese

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

ALLAN TOWNSHIP

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			

GDIF FORM NO. 1

TYPE OF WORK		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	PHYSICAL PROPERTIES TESTS		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY	COMPANY/AUTHOR (file number)	Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
1	Ontario Geological Survey				78	78												81		

GDIF FORM NO. 2

ALLAN TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Ont. Geol. Survey	78-04	1978	-	90	0	150.5'	-	Si,Al,Fe,Mg, Ca,Na,K,Ti, P,Mn,S,As, Cu,Pb,Zn,F, Mn

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

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Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Sudbury

No clippings in file, Mar.15, 1983.

ODM GENERAL INDEX SEARCH

Words searched:

ALLAN TOWNSHIP
MANITOULIN ISLAND

Index Volume	Listing:	Report Volume	Part	Page
1	MANITOULIN ISLAND, L. Huron			
	Agricultural land	4		103
	Bays, how formed	R.C.		48
	Building stone. See below Rocks			
	Gas	1		140
	well records	24	2	29
	Iron, boring for	13	1	43,45
	Oil	R.C.		156,157
		1		140
		9		206
		14	1	89,97
	Rocks	R.C.		41-44
	limestone	R.C.		41-44, 84
	analysis	13	2	74,76
	Cambro-Silurian	1		86
		13	2	24
		24	2	4
	for building	1		93
	lime	1		94
	notes by Miller	13	2	75
	quarrying	1		101
		R.C.		74,78
	Trenton	1		140
	quartzite	1		72
	for glass making	1		94
	shale, bituminous	24	1	19
	Salt in oil wells	R.C.		164
2	MANITOULIN ISLAND, L. Huron			
	Fossils	32	7	92,93
	See also Gore Bay			
	Gorrel pt.			
	Limestone for flux	N.C.		A29
	Oil, boring for	31	5	74
	in Trenton	32	5	87
		35	5	58,59
	Upper Ordovician classification			
	and correlation	29	5	47
5	MANITOULIN DISTRICT			
	Oil wells (1950)	60	3	28
	(1951)	61	3	28
	(1952)	62	3	24
	(1953)	63	3	35
	logs of	60	3	66
	Water well records (1947)	60	11	83

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
6	MANITOULIN ISLAND, L. Huron			
	Quartzite quarry	24	1	68
		25	1	69
7	MANITOULIN ISLAND, L. Huron			
	Quartzite quarry	70		142
	See also Killarney twp.			

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayres, L. D., et al	1970	Ontario Geological Map, Southern Sheet	O.D.M. Map 2197	1"=16 miles
		GEOPHYSICAL MAPS		
		Aeromagnetic Maps		
O.D.M.-G.S.C.	1965			
		Kagawong	2254G	1"=1 mile
		Manitoulin Island	7060	1"=4 miles
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Dept. of Energy, Surveys & Mapping Branch	1975	Topographic Map, Kagawong		1:50,000 1:50,000 1:50,000 1:50,000
		GEOCHEMICAL		
		No Data Available, Mar.15 , 1983		
		GEOLOGICAL REPORTS AND MAPS		
Bell, R.	1866	Report on the Manitoulin Islands	G.S.C. Rept. Prog.	pp.165-179
	1869	Report on the Geology of the Grand Manitoulin, Cockburn, Drummond and St. Josephs Islands (map 1870)	G.S.C. Rep't Prog.	pp.109-116
Caley, J. F.	1936	The Ordovician of Manitoulin Island, Ontario	Mem.G.S.C., 202 (2)	pp.21-91

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
G.S.C.	1957	Manitoulin Island, Ontario	Can. Dep. Mines & Tech. Surv. Map 20-1957	
Hewitt, D. F.	1960	The Limestone Industries of Ontario	IMR5	
	1964	The Limestone Industries of Ontario, 1958-1963	IMR13	
	1964	Building Stones of Ontario - Part 1. Introduction.	IMR14	
	1964	Building Stones of Ontario - Part 2. Limestone.	IMR15	
Hewitt, D. F., Vos, M. A.	1972	The Limestone Industries of Ontario	IMR39	
Johnson, M. D.	1983	Gecchemical Data: Manitoulin Island Limestone-Dolostone Assessment Project	OFR5383	98pp.
Johnson, M. D. & Telford, P. G.	1981	Preliminary Results of 1978-1979 Drilling Programme, Manitoulin Island Limestone-Dolostone Assessment Project	OFR5360	76pp.
	1981	Preliminary Results of 1980 Drilling Programme, Manitoulin Island Limestone-Dolostone Assessment Project	OFR5364	44pp.
Liberty, B. A. et al	1972	Kagawong (geology 1954-1957)	O.D.M. Map 2246	1"=1 mile
O.G.S. & Mineral Resources Branch	1982	Mineral Potential Map of Ontario, Southern Sheet Magnetic Compilation Map Geological Compilation Map 2197	OFR5328	1"=16 miles 1"=16 miles 1"-16 miles

GDIF FORM NO. 9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Russell, D. J. Johnson, M. D.	1981	Limestone-Dolostone Assessment Project, Aggregate Test Results for Silurian Carbonate Rocks of Manitoulin Island	OFR5370	21pp.
Williams, M. Y.	1919	Silurian Geology and Faunas of Ontario Peninsula and Manitoulin and Adjacent Islands.	Mem. G.S.C., 111	195pp.
	1937	Manitoulin Island	Can. Dept. Mines & Resources	1"=4 miles
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Copper, P.	1971	Geology of Manitoulin and Adjacent Islands. Field Trip No.8	G.A.C.-Mineral. Assoc. Can.	37pp.
Foerste, A. F.	1912	The Ordovician Section in the Manitoulin Area of Lake Huron	Ohio Naturalist	
Horst, R. E.	1978	Paleoecology and Stratigraphy of Upper Ordovician (Ashgillian) Biostromes of Manitoulin Island, Ontario. M.Sc. Laurent.	Sudbury File	
Johnson, M. D.	1981	Correlation of Lower Silurian Strata from the Michigan Upper Peninsula to Manitoulin Island	Can.J.Earth Sci. Vol.18	pp.869-883
Liberty, B. A.	1954	Ordovician of Manitoulin Island	Mich. Geol. Soc. Guidebook	pp.7-13
	1968	Ordovician and Silurian Stratigraphy of Manitoulin Island	Mich. Basin Geol. Soc.Ann.Field Trip	pp.35-77
Whittaker, P. J.	1978	Skeleton Cave (Manitoulin Island)	The Canadian Caver Vol.2	pp.10-12

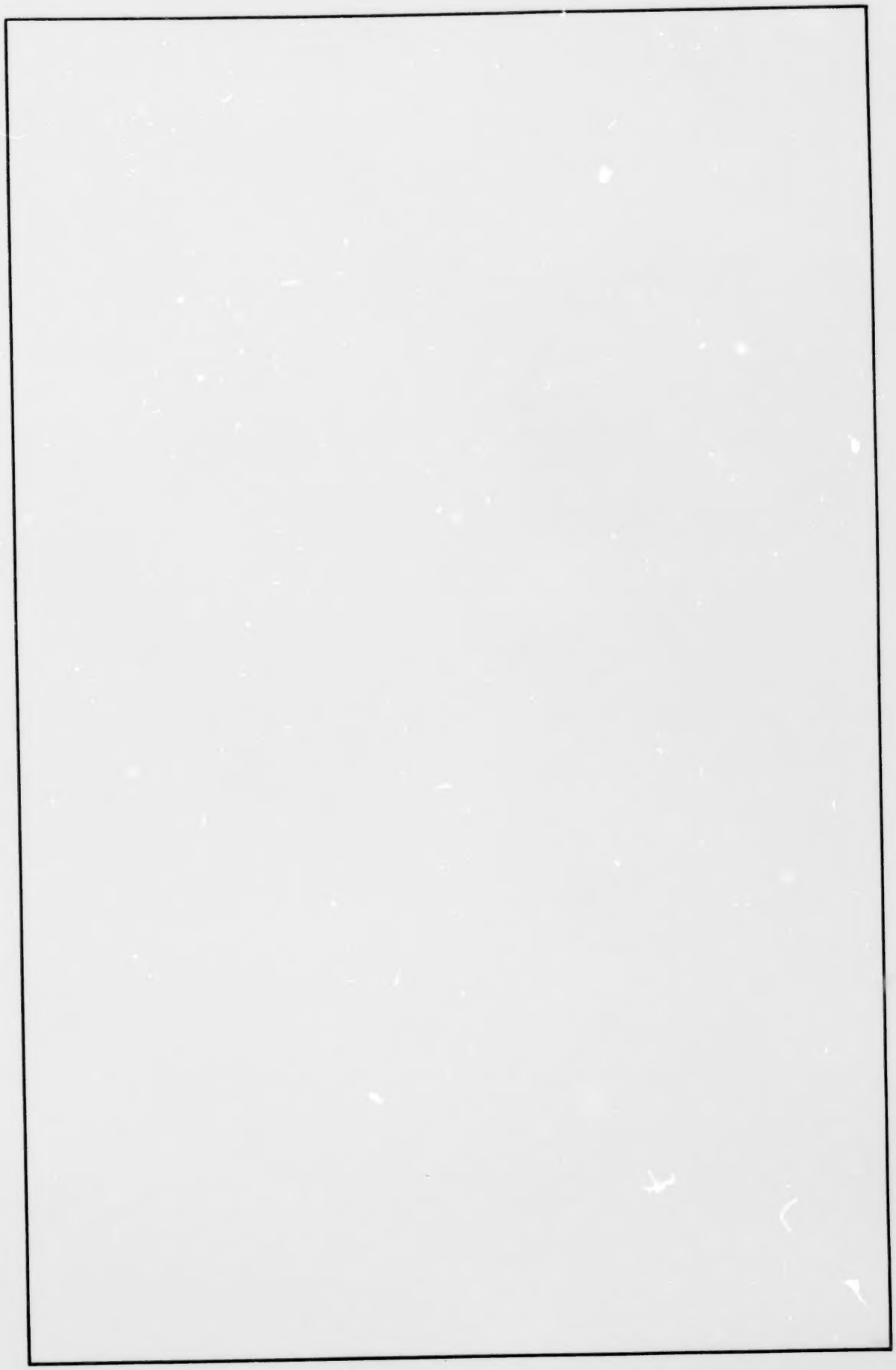
ALLAN TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

NOTES AND ADDENDA



ALLAN TOWNSHIP

NORTH CHANNEL OF LAKE HURON

Maple Pt.

Johnson Pt.

CLAPPERTON

Little I.

CHANNEL

Burgess Reef

Jessie Pt.

Sandy Cove

Sextant Pt.

MANITOULIN

Gray Pt.

Mudge Bay

GORDON TP.

ORTH CHANNEL OF LAKE HURON

Maple Pt.

Johnson Pt.

CLAPPERTON

Burgess Reef

Jessie Pt.

Little I.

CHANNEL

Sandy Cove

Sextant Pt.

I T O U L I N

Gray Pt.

Mudge Bay

Ministry of Natural Resources
Ontario

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Deputy Minister

ONTARIO GEOLOGICAL SURVEY
PROPERTY LOCATION MAP
(Map 1 of 2 .)
to accompany GEOLOGICAL DATA
INVENTORY FOLIO 156

ALLAN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

MANITOULIN

GORDON TP

Gray Pt.

Mudge Bay

1

BILLINGS TP.

Kagawong

540

Ice Lake

ISLAND

Ice

Donaldson's Bay

Lake

Creek

Pleasant Valley

Horseshoe Bay

Birch Pt.

Kagawong

45°52'30"

Advance

Bass

N I T O U L I N

Gray Pt.

Mudge Bay

1

BILLINGS TP.

Kagawong

R.

540

Kagawong

Ice Lake

I S L A N D

Horseshoe Bay

Birch Pt.

Kagawong

45°52'30"

Pleasant Valley

Creek

EXPLORATION DATA FILE AREAS

☒ 1 6 Reference number is always inside work area outlined. See listing in text pages

☐ x 4 Small area of exploration data.

☐

540

Ice Lake

I S L A N D

Ice

Donaldson's Bay

45°52'30"

Lake

Advance

Robertson Creek

Pleasant Valley

Prior's Bay

Horseshoe Bay

Birch Pt.

Kagawong

Kagawong

45°52'

Bass I.

BILLINGS

Lake

542

45°49'30"

82°21'

Ednie's Bay

Honeymoon Harbour

Ednie's Pt.

Brandow Pt

Lake Kagawong

Tennent's Pt.

Kerr's Pt.

I S L A N D

Ice Lake

Pleasant Valley

Creek

Prior's Bay

Lake Kagawong

Brandow Pt

Kerr's Pt.

Kagawong

Horseshoe Bay

Birch Pt

Kagawong

45°52.30'

Bass I.

BILLINGS TP.

Lake

Tennent's Pt.

Maple Pt.

NORTH CHANNEL OF LAKE HURON

Maple Pt.

Johnson Pt.

CLAPPERTON

Little I.

CHANNEL

Burgess Reef

Jessie Pt.

Sandy Cove

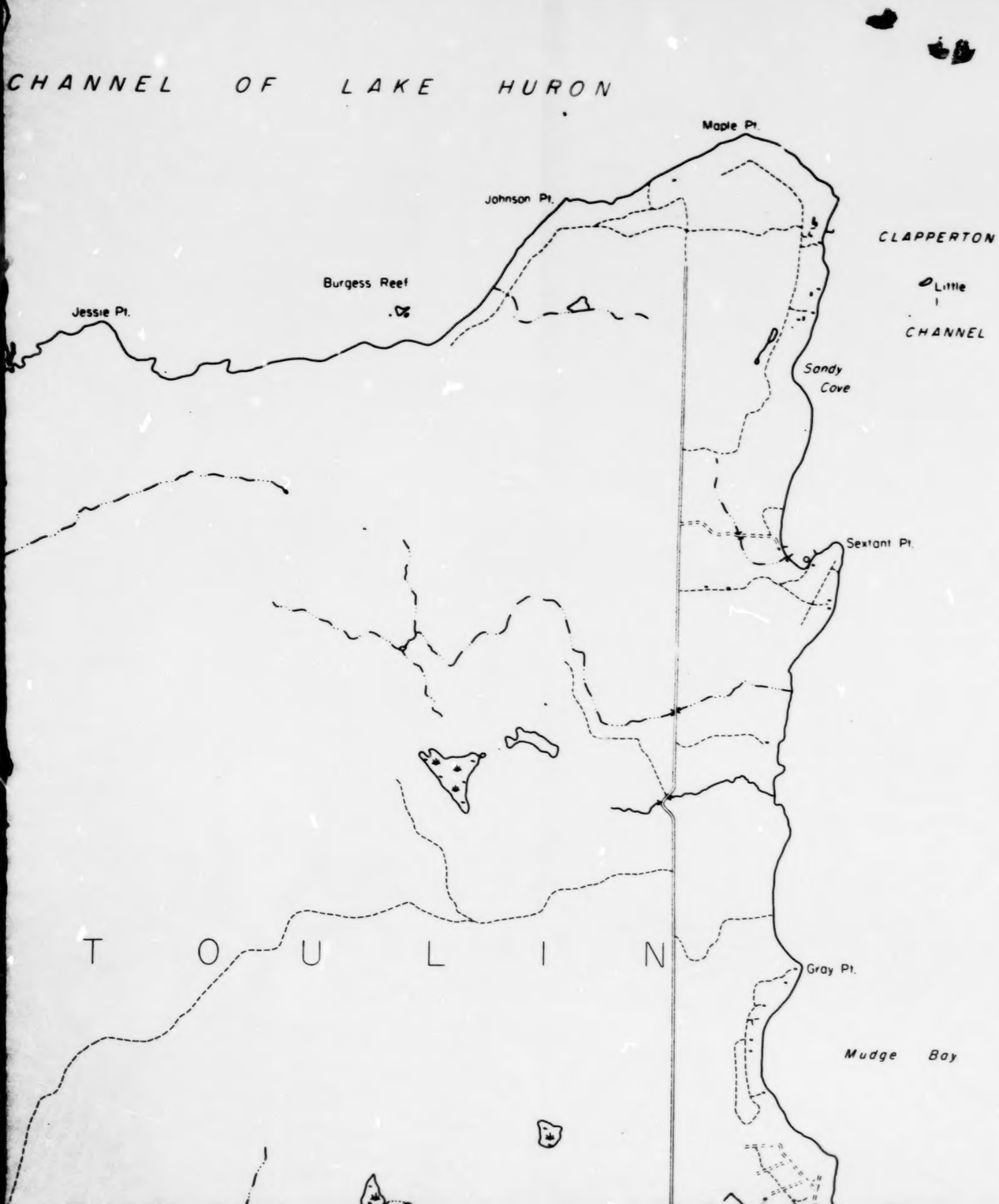
Sextant Pt.

MANITOULIN

Gray Pt.

Mudge Bay

GORDON TP.



Ministry of Natural Resources

Ontario

Hon. Alan W. Pope
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John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

Map to Accompany GEOLOGICAL DATA

INVENTORY FOLIO 156

ALLAN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP (Map 2 of 2.)

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number

M A N I T O U L I N

I S L A N D

GORDON TP

Gray Pt.

Mudge Bay

Kagawong West Quarry
Location
Indefinite

BILLINGS TP

Kagawong

540

Ice Lake

Ice

Lake

Donaldson's Bay

Pleasant Valley

Creek

Horseshoe
Bay

Birch
Pt.

Kagawong

45°52'30"

Advance

Bass

T O U L I N

L A N D

Gray Pt.

Mudge Bay

Kagawong West Quarry
Location Indefinite

BILLINGS TP.

Kagawong

Kagawong R.

540

Horseshoe Bay

Birch Pt.

Kagawong

45°52'30"

Pleasant Valley

Bass I.

BILLINGS TP.

Prior's Bay

- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly

Ice Lake

I S L A N D

Ice

Donaldson's Bay

45°52'30"

Lake

Advance

Pleasant Valley

Creek

Robertson

Prior's Bay

Horseshoe Bay

Birch Pt.

Kagawong

45°52

Bass I.

BILLINGS

Lake

Brandow Pt

Tennent's Pt.

Lake Kagawong

Kerr's Pt.

Ednie's Bay

Honeymoon Harbour

Ednie's Pt.

S L A N D

Pleasant Valley

Prior's Bay

Horseshoe Bay

Birch Pt.

Kagawong

45°52'30"

Bass I.

BILLINGS TP.

Lake

Brandow Pt.

Lake Kagawong

Tennent's Pt.

Maple Pt.

Kerr's Pt.

Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- M — Ground Magnetometer Anomaly
- VL — Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- RA — Ground Radiometric Anomaly
- IP — Induced Polarization Anomaly
- SP — Self Potential Anomaly
- AFMAG — Audio-frequency magnetometer anomaly
  (total intensity)
- R — Resistivity Anomaly
- GR — Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.